

25X1

25X1

CLASS:

UNIT:

EXT:

DATE:

ROUTINE

[REDACTED]

MD AM/OSA For Release 2002/10/25 : CIA-RDP75B00326R000100270040-2

[REDACTED]

1 Aug 74

Comments regarding reference(s)

0899

1	D/M	6	INTEL	11		18		21	
2	D/M	7	SAS	12		17		22	
3	D/M	8	IDEAL	13		18		23	
4	D/SA	9	D/O	14		19		24	
5	RB	10	CMD	15		20		25	

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(date and time filed)

(reference number)

SECRET

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CITE

[REDACTED]

25X1

TO

PRIORITY

INFO

IDEALIST DM-1/3 SSM SPO

SUBJECT: "H" CONFIGURATION PERFORMANCE

25X1

1. "H" CONFIG S/N 002 WAS FLOWN ON 27 JULY 1974 (GT 74-221) OVER THE EDWARDS RESOLUTION RANGE INCLUDING THE SPECIAL OBLIQUE TARGET SET UP FOR THIS PROJECT AND DESCRIBED IN THE CORN MANUAL. THE FILM WAS EVALUATED BY [REDACTED] AND RESULTS ARE PRESENTED IN PARA 2 BELOW. THIS CONFIG IS NOW OPERATIONAL.

2. GRD RESOLUTION PRESENTED IS THE 50 PERCENT POINT TAKEN FROM THE "S" CURVE FOR EACH OFFSET DISTANCE AND SHOWS THAT RESOLUTION IS EQUAL TO OR BETTER THAN THIS FOR 50 PERCENT OF FRAMES. GM IS THE GEOMETRIC MEAN OF ALONG TRACK AND ACROSS TRACK RESOLUTION READINGS.

OFF SET

GRD

DISTANCE

RESOLUTION

NAUTICAL

GM

MILES

INCHES

NADIR

6.8

20 NM

13.2

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AUTHENTICATING OFFICER

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E 2 IMPDET

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S E C R E T

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CITE

to

30 NM

18.5

40 NM

29.4

50 NM

42.5

3. PREVIOUS PERFORMANCE OF H CONFIG S/N 003 (GT 73-455, DEC 1973) IS AS FOLLOWS:

OFFSET	GRD
DISTANCE	RESOLUTION
NAUTICAL	GM
MILES	INCHES
NADIR	5.02
20 NM	14.15
30 NM	18.5
40 NM	22.4
50 NM	32.7

4. DIFFERENCES IN PERFORMANCE OF S/N 002 AND S/N 003 CAN BEST BE ATTRIBUTED TO ENVIRONMENTAL CONDITIONS OF THE TWO TESTS. THAT IS, THE TEST OF S/N 002 OCCURRED DURING VERY UNUSUALLY HUMID AND

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S E C R E T

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CITE

TO [UNSTABLE WEATHER CONDITIONS PREVALENT AT THE RESO DURING LAST TWO
WEEKS OF JULY, WHILE S/N 003 TESTING WAS ACCOMPLISHED IN THE COOLER
ATMOSPHERE OF DECEMBER 1973. UNDER COMPARABLE CONDITIONS S/N 002
COULD BE EXPECTED TO OUT PERFORM S/N 003.

E2 IMPDET

END OF MESSAGE

25X1

5
4
3
2
1

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